

Mannesmann VDO AG

Kruppstr. 105
60388 Frankfurt
4476

WE CLAIM
Patent claims

Sub A37

1. A rotor for a DC machine which has a multiplicity of armature laminations axially one behind 5 the other, which are provided with a locating bore and are connected undisplaceably to one another by holding means to form an armature core, which as a whole is pushed onto a motor shaft, wherein the locating bore (3) of each armature lamination (2) is arranged 10 slightly eccentrically in the armature lamination (2) and wherein the individual armature laminations (2) of the armature core (1) or groups of armature laminations (2) are arranged such that they are turned in relation to one another by at least one pole pitch or the 15 locating bore is formed as a contoured locating hole.

2. The rotor as claimed in claim 1, wherein the motor shaft is of a smooth form.

3. The rotor as claimed in claims 1 or 2, wherein each armature lamination (2) is arranged on the motor 20 shaft such that it is turned with respect to the adjacent armature lamination (2) by 45°.

Post H10
4. A process for producing a rotor for a DC machine in which armature laminations are in each case stamped with a locating bore or contoured locating hole 25 and are subsequently connected to one another by pack-stacked stamping to form an armature core, wherein the locating bore is stamped slightly eccentrically in the armature lamination and wherein the individual armature laminations of the armature core or groups of armature 30 laminations are arranged before the pack-stacked stamping such that they are turned in relation to one another by at least one pole pitch.

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